



TECHNICAL DATA SHEET

GMUND BIO CYCLE

Chlorophyll - Blattgrün | 300 g/m²

Grammage	ISO 536, g/m ² :	285 - 315
Caliper	ISO 534, µm:	560 ± 40
Bulk	ISO 534, cm ³ /g:	1,85 ± 0,15
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 2300
	length, m:	≥ 2800
	cross, m:	≥ 1800
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 1800
Dennison-Waxtest	US D2482-66T:	≥ 12
Water Absorption	ISO 535:	
	Cobb 60, g/m ² :	40 ± 10
pH-Value	DIN 53124:	≥ 7,5



TECHNICAL DATA SHEET

GMUND BIO CYCLE

Wheat - Stroh | 300 g/m²

Grammage	ISO 536, g/m ² :	285 - 315
Caliper	ISO 534, μm:	450 ± 25
Bulk	ISO 534, cm ³ /g:	1,5 ± 0,1
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 3000
	length, m:	≥ 3600
	cross, m:	≥ 2400
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 2300
Dennison-Waxtest	US D2482-66T:	≥ 12
Water Absorption	ISO 535:	
	Cobb 60, g/m ² :	40 ± 10
pH-Value	DIN 53124:	≥ 7,5



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GMUND BIO CYCLE

Wheat - Stroh | 120 g/m²

Grammage	ISO 536, g/m ² :	115 - 125
Caliper	ISO 534, µm:	185 ± 25
Bulk	ISO 534, cm ³ /g:	1,55 ± 0,1
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 5000
	length, m:	≥ 6400
	cross, m:	≥ 3600
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 1000
Dennison-Waxtest	US D2482-66T:	≥ 12
Water Absorption	ISO 535:	
	Cobb 60, g/m ² :	40 ± 10
pH-Value	DIN 53124:	≥ 7,5



TECHNICAL DATA SHEET

GMUND BIO CYCLE

Cannabis - Hanf | 300 g/m²

Grammage	ISO 536, g/m ² :	285 - 315
Caliper	ISO 534, µm:	430 ± 25
Bulk	ISO 534, cm ³ /g:	1,45 ± 0,1
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 3300
	length, m:	≥ 4200
	cross, m:	≥ 2400
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 2500
Dennison-Waxtest	US D2482-66T:	≥ 12
Water Absorption	ISO 535:	
	Cobb 60, g/m ² :	40 ± 10
pH-Value	DIN 53124:	≥ 7,5



TECHNICAL DATA SHEET

GMUND BIO CYCLE

Rag - Baumwolle | 120 g/m²

Grammage	ISO 536, g/m ² :	115 - 125
Caliper	ISO 534, µm:	190 ± 20
Bulk	ISO 534, cm ³ /g:	1,55 ± 0,15
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 4000
	length, m:	≥ 5000
	cross, m:	≥ 3000
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 1000
Dennison-Waxtest	US D2482-66T:	≥ 14
Water Absorption	ISO 535:	
	Cobb 60, g/m ² :	30 ± 10
pH-Value	DIN 53124:	≥ 7,5



TECHNICAL DATA SHEET

GMUND BIO CYCLE

Rag - Baumwolle | 300 g/m²

Grammage	ISO 536, g/m ² :	285 - 315
Caliper	ISO 534, µm:	460 ± 20
Bulk	ISO 534, cm ³ /g:	1,6 ± 0,15
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 3000
	length, m:	≥ 4000
	cross, m:	≥ 2000
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 1000
Dennison-Waxtest	US D2482-66T:	≥ 14
Water Absorption	ISO 535:	
	Cobb 60, g/m ² :	40 ± 10
pH-Value	DIN 53124:	≥ 7,5

All data refer to our own, in-house conducted measurement results and practical experiences. According to CEPAC, all tolerances specified in the general conditions of sale are to be regarded as fulfilled if 95% of the measured values lie within the prescribed tolerances. Binding for the delivery of our products are the General Conditions of Sale of Paper and Board Manufacturers in EC (CEPAC guideline). We reserve the right for changes to this material due to technical advancement. The use of different measurement devices may lead to deviant measurement results.



TECHNICAL DATA SHEET

GMUND BIO CYCLE

Cycle - Kreislauf | 100 g/m²

Grammage	ISO 536, g/m ² :	95 - 103
Caliper	ISO 534, μm:	140 ± 15
Bulk	ISO 534, cm ³ /g:	1,45 ± 0,1
Ash	DIN 54370, %:	> 2
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 5000
	length, m:	≥ 6500
	cross, m:	≥ 3500
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 700
Dennison-Waxtest	US D2482-66T:	≥ 14
Water Absorption	ISO 535:	
	Cobb 60, g/m ² :	30 ± 10

All data refer to our own, in-house conducted measurement results and practical experiences. According to CEPAC, all tolerances specified in the general conditions of sale are to be regarded as fulfilled if 95% of the measured values lie within the prescribed tolerances. Binding for the delivery of our products are the General Conditions of Sale of Paper and Board Manufacturers in EC (CEPAC guideline). We reserve the right for changes to this material due to technical advancement. The use of different measurement devices may lead to deviant measurement results.



	Cobb 60, g/m ² :	35 ± 10
pH-Value	DIN 53124:	≥ 7,5

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GMUND BIO CYCLE

Cycle - Kreislauf | 300 g/m²

Grammage	ISO 536, g/m ² :	285 - 315
Caliper	ISO 534, μm:	460 ± 25
Bulk	ISO 534, cm ³ /g:	1,55 ± 0,1
Ash	DIN 54370, %:	> 2
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 3300
	length, m:	≥ 4200
	cross, m:	≥ 2400
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 2500
Dennison-Waxtest	US D2482-66T:	≥ 12



Water Absorption

ISO 535:

Cobb 60, g/m²: 35 ± 10

pH-Value

DIN 53124: ≥ 7,5

TECHNICAL DATA SHEET

GMUND BIO CYCLE

Test of the light-fastness of the color under a xenon arc lamp

Heraeus, Suntest CPS

Evaluation according to the blue scale (wool scale) | DIN EN ISO 105-B02

Chlorophyll - Blattgrün	3 - 4
Wheat - Stroh	5 - 6
Cannabis - Hanf	5 - 6
Rag - Baumwolle	5
Cycle - Kreislauf	3